

$$\mathcal{R} @ \{ \overline{X}_{1,2,3,4} \} + \mathcal{R} @ \{ X_{1,4,3,2} \} \equiv \left(\tau_{2,2}^{1,2} + \tau_{2,2}^{-1,2} \right) \mathcal{R} @ \{ P_{1,3}, P_{2,4} \}$$